[illegible]

1. [illegible].
2. [illegible].
3. [illegible]
4. [illegible]

[illegible]

[illegible]

(1) [illegible] m [illegible] ([illegible] M [illegible]) [illegible] n [illegible].

(2) [illegible].

(3) [illegible].

(4) [illegible].

(5) [illegible]

[illegible]

[illegible]

[illegible] [illegible]“[illegible]”

1. [illegible] ([illegible])

(1)[illegible] $d=\sqrt[3]{\frac{6V_0}{\pi}}$.

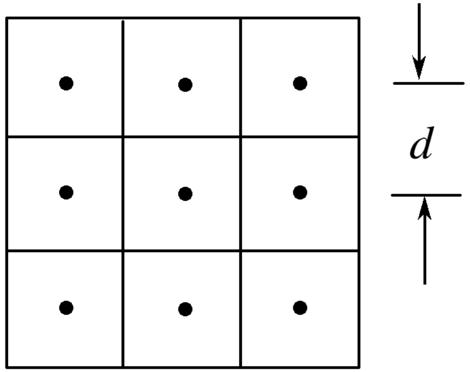
[illegible] V_0 [illegible]

(2)[illegible] $d=\sqrt[3]{V_0}$.

[illegible] V_0 [illegible]

[illegible] $d=\sqrt[3]{V_0}$[illegible]

[illegible].



①□□□□□□□□ m_0□ $\frac{M}{N_A}$□ $\frac{\rho V_{mol}}{N_A}$.

②□□□□□□□□ V_0□ $\frac{V_{mol}}{N_A}$□ $\frac{M}{\rho N_A}$(□□□□□□ V_0□

□□□□□□□□).

③□□□□□□□□□ N□ $\frac{V}{V_{mol}}\cdot N_A$□ $\frac{m}{\rho V_{mol}}\cdot N_A$□ N□

$\frac{m}{M}\cdot N_A$□ $\frac{\rho V}{M}\cdot N_A$.

[illegible] (2019·[illegible]) [illegible]

48 [illegible]“[illegible]”. [illegible]

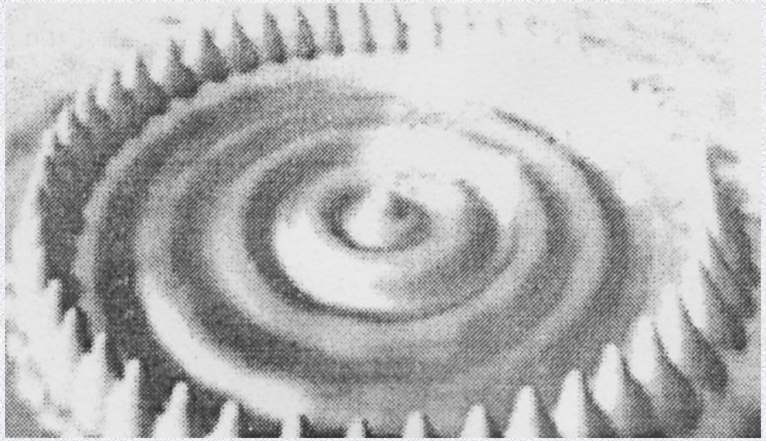
[illegible] ρ [illegible] 7.8×10^{3} kg/m^{3} [illegible] M [illegible] 5.6×10^{-2} kg/mol [illegible]

[illegible] N_A [illegible] 6.0×10^{23} mol^{-1}. [illegible]

D [illegible] ________ [illegible] ________ m([illegible]).

$\sqrt[3]{\frac{6M}{\pi\rho N_A}}$

3×10^{-10}



[illegible]

[illegible] [illegible]

[illegible] (2019·[illegible]Ⅲ·33(1)) [illegible]

[illegible] ______ [illegible]

[illegible] ______. [illegible]

______ [illegible] 1 mL [illegible]

[illegible] ______.

[illegible] ______ [illegible].

(2)[illegible]“[illegible]”[illegible]

[illegible] ______. ABD

A. [illegible]　　B. [illegible]

C. [illegible]　　D. [illegible]

(3) [illegible] 0.22 m² [illegible] (50 [illegible] 1 [illegible]) [illegible]. [illegible] 10^{-10} m [illegible] ([illegible]) [illegible] ______‰([illegible]).

1.1

$$\frac{V_0}{V} = 1.1‰.$$

[illegible]

[illegible] V_0 [illegible] dS [illegible] $10^{-10} \times 0.22$ [illegible] 2.2×10^{-11} m³

[illegible]

V [illegible] 1/50cm³ [illegible] 2×10^{-8} m³

[illegible]“[illegible]”[illegible]([illegible])[illegible] η [illegible]

[illegible] 1 [illegible] V [illegible] 1 [illegible]

[illegible] S. [illegible]

A. [illegible] V

B. [illegible]

C. [illegible] d [illegible] [illegible]

√

D. [illegible] d [illegible] [illegible]

$\frac{V}{S}$

$\frac{V}{\eta S}$

[illegible] [illegible]

[illegible]	[illegible]	[illegible]	[illegible]
[illegible]			
[illegible]			]
[illegible]			
[illegible]			

[illegible] ([illegible]) [illegible]

A. [illegible] √

B. [illegible]

C. [illegible]

[illegible]

D. [illegible]

E. [illegible] √

√

[illegible]

([illegible])(2017·[illegible]Ⅰ·33(1)) [illegible] 0 ℃ [illegible] 100 ℃ [illegible]

[illegible] . [illegible]

A. [illegible]

A. [illegible]

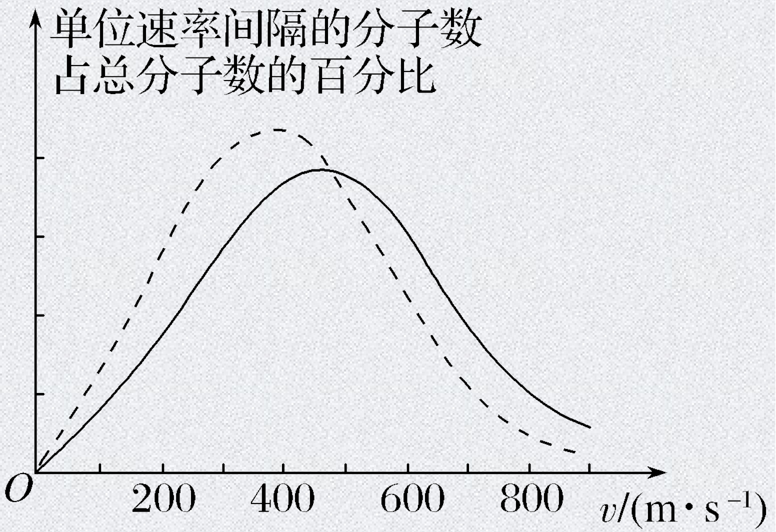
√ B. [illegible]

√ C. [illegible] 100 ℃ [illegible]

√ D. [illegible]

E. [illegible] 0 ℃ [illegible] 100 ℃ [illegible]

0 [illegible] 400 m/s [illegible]



BC. [illegible]
[illegible] **100°C** [illegible] **0°C**

E. [illegible]

([illegible])(2019· [illegible] ·13A(1)) [illegible]

[illegible]

A. [illegible]

B. [illegible]

C. [illegible]

√ D. [illegible]

√

B. [illegible]

C. [illegible]

D. [illegible]

([illegible])(2020· [illegible]) [illegible]

A. [illegible]

A. [illegible] so [illegible]

B. [illegible]

√ C. [illegible]

√ D. [illegible]

E. [illegible]

√

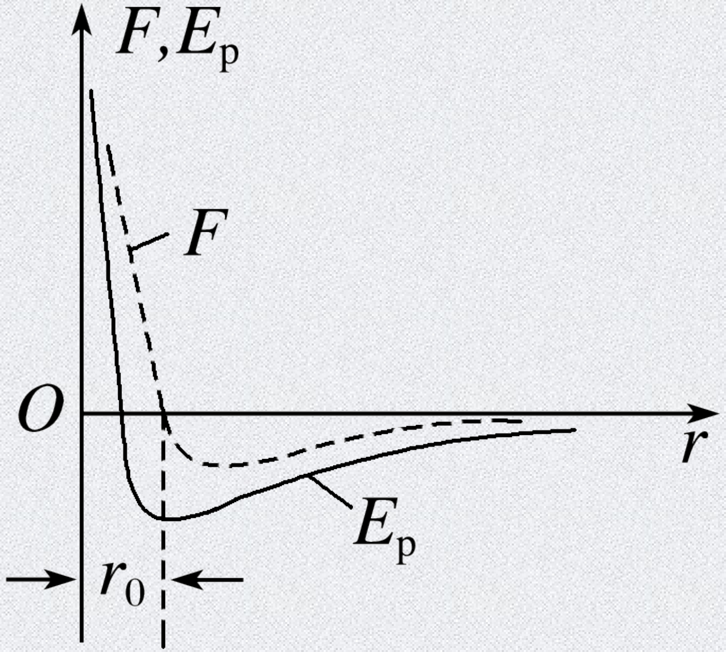
1. [illegible]

[illegible] F [illegible] E_p [illegible] r [illegible] ([illegible] E_p [illegible] 0)

(1) [illegible] r [illegible] r_0 [illegible] r [illegible].

(2) [illegible] r [illegible] r_0 [illegible] r [illegible].

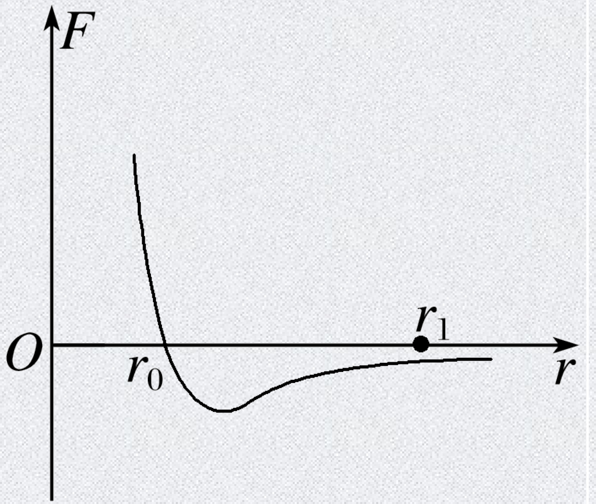
(3) [illegible] r [illegible] r_0 [illegible].



([illegible])(2019· [illegible]) [illegible] F [illegible] r [illegible]

[illegible] r_0 [illegible] (r_1) [illegible].

[illegible]



A. r [illegible] r_0 [illegible]

√

B. r [illegible] r_0 [illegible]

[illegible]

C. $r>r_0$ [illegible] F [illegible]

√

D. $r<r_0$ [illegible] F [illegible]

√

E. $r>r_0$ [illegible] F [illegible]

[illegible] ([illegible])(2018·[illegible]Ⅱ·33(1)) [illegible]

A. [illegible]

B. [illegible]

√ C. [illegible]

D. [illegible]

√ E. [illegible]

√

[illegible]

([illegible]) [illegible]

B. [illegible] ([illegible])

√ A. [illegible]

B. [illegible]

[illegible]

√ C. [illegible]

D. [illegible]

√ E. [illegible]

C. [illegible]

D. [illegible]

[illegible]

1.3-3 [illegible]